The following table includes the seven Land Suitability Categories and provides examples of how these might be addressed for a subdivision in the Darwin rural area. Each assessment requires supporting maps and documentation.

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| --- | --- | --- | --- |
| Category | Site description | Suitability class | Evidence to support class rating |
| 1 | Drainage | Significant areas of constrained land associated with Butterfly Creek runs through the proposed subdivision. | S2 & S4 | A detailed land suitability assessment undertaken by a consultant is attached. It details, by way of field assessment the extent of poorly drained land and subsequently configures the proposed lots to ensure each lot contains >1 ha of unconstrained land.  |
| 2 | On-site Wastewater Management | The notional septic systems for all lots including the absorption trench (Map 1) is located on the unconstrained land.  | S2 | In accordance with the NTPS, each septic system is more than 50 m above the extent of the land constrained by drainage. Soil-landscape information collected on the site including photographs is provided in the land suitability assessment. It supports the soils being well drained and moderately to highly suitable for waste water treatment.  |
| 3 | Erosion Risk | The slopes across the subdivision are 1-2% | S2 | Slope is approximately 1%. |
| Butterfly Creek is considered an extremely high erosion risk.  | S3-S4 | Minimal disturbance to the creek is anticipated due to the proposed lot configuration. This will also be addressed in the erosion and sediment control plan.  |
|  |  |  |  |  |
| 4 | Soil Salinity | N/A in the Top End | S1 | N/A  |
| 5 | Acid Sulfate Soils | N/A in the Darwin region outside coastal areas. | S1 | N/A |
| 6 | Storm Tide Flooding | N/A. The subdivision is a significant distance from a tidal area and well above sea level. | S1 | N/A |
| 7 | Riverine Flooding | Prone to inundation. | S1-S2 & S3-S5 | A riverine flooding assessment has identified the extent of land .1%AEP risk of floodplain flooding. |